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DEPARTMENT OF EDUCATION

// ADVISORY BOARD OF HIGHER EDUCATION POLICY

CAPITAL OUTLAY RECOMMENDATIONS

for institutions of

PUBLIC HIGHER EDUCATION

FISCAL YEAR 1966

MARCH, 1965

University of Massachusetts

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I N T R O D U C T I O N

In the Advisory Board's Third Annual Report (December, 1964) we underscored our awareness of the ever pressing obligation to assure the utmost quality of public higher education, to avoid the danger of the attrition of excellence that can occur if our attention and effort are focused exclusively upon providing sufficient places for increasing numbers of students.

We appreciate full well that our institutions also are concerned with the subtle balance between quality and quantity, and that they are diligent in carrying out their mandate to provide education of the highest quality to the largest possible number of qualified students.

To carry out plans for strengthening and improving present programs or for adding new ones, many of our institutions have increasing capital outlay needs in addition to those required for sheer quantitative growth. And the latter consideration is now even more pressing than a year ago. Our public institutions have found it necessary to make drastic revisions in their enrollment projections. The total enrollment predicted for the Fall of 1964 was 28,870; September, 1964, found 30,288 regular day students actually enrolled. The total Fall, 1965, enrollment has now been revised upward from the 32,200 projected a year ago to 35,680; the Fall, 1967, enrollment from 42,620 to 47,230; and for the Fall of 1971, from 62,250 to 75,600.

The following compilation shows the enrollments, actual and projected, by institutional groups in three critical years.

	<u>Fall 1964</u>	<u>Fall 1965</u>	<u>Fall 1971</u>
State Colleges	12,497	14,230	27,300
SMTI	1,426	2,150	5,500
LTI	1,959	2,250	4,200
UMass (Not including UMass-Boston)	10,497	11,525	20,300
Community Colleges	<u>3,909</u>	<u>5,525</u>	<u>18,300</u>
TOTAL:	30,288	35,680	75,600

None of the above figures include the UMass - Boston enrollment. A conservative estimate for 1973, including UMass - Boston, projects a total enrollment in excess of 100,000 for the Commonwealth's public institutions of higher education.

At the time of this Board's Second Annual Report, submitted in December, 1963, we stated our principal recommendation regarding capital outlay as a long-range capital commitment over a rolling ten-year period. As planned development and long-range nurture of our institutions are the most practical means to guarantee healthy growth, the Advisory Board again calls attention to the wisdom and practicality of such a plan.

With such developments as increasing Federal aid (including the new provisions under Title I of Public Law 88-204, the Higher Education Facilities Act), and the establishment of the State Colleges Building Authority and similar agencies, some of the needs, while continuing to be of equal strategic importance, may appear to become less critical financially. Yet the relief, actual and potential, from such sources is outweighed by such changes in the nature of capital needs as the establishment of new campuses for the Community Colleges rather than renovated facilities, increasing emphasis on strengthening and adding programs in addition to meeting space needs for burgeoning enrollments, and spiraling construction costs.

In view of these considerations, the Advisory Board again endorses a capital outlay commitment, earmarked for major construction of public higher education facilities, over a rolling ten year period. A substantial upward revision over the amount recommended previously is now indicated on both statistical and practical bases, the recommended sum to be arrived at in due course after further discussion at the several institutions.

A year ago, the Advisory Board recommended for Fiscal 1965 a capital outlay program for public higher education consisting of 23 projects and costing an estimated \$26,977,000. A survey of capital outlay programs for public higher education over the past five years is instructive. Chapter 774 of the Acts of 1960, provided a higher education capital outlay program of \$17,621,500 for Fiscal 1961. For Fiscal 1962 the appropriation was \$15,879,000; for Fiscal 1963, \$8,612,500; Fiscal 1964, \$17,272,000.

For Fiscal 1965, the appropriations for public higher education provided by Chapter 640, Acts of 1964, totalled \$33,480,000, while the total for the Commonwealth provided by Chapter 640 amounted to \$61,632,000. The amount appropriated for public higher education was 54.3% of the total, and was an increase of 93.8% over the higher education capital outlay program for Fiscal 1964.

As the Advisory Board considered the capital outlay needs for Fiscal 1966, we noted some of the features of the public education picture that compellingly highlight - for the immediate as well as for the more distant future - the necessity for a strong capital outlay program. Burgeoning enrollments are, of course, a key component of this picture. As noted earlier, from a state-wide enrollment of somewhat over 30,000 regular day students this past Fall, the students attending our public institutions are expected to exceed 100,000 by 1973.

Yet, while provision must be made for sheer quantitative growth, we are concerned as well to strengthen and add to present educational services and programs, thus at the same time pursuing excellence and serving increasing numbers. The capital outlay requests from the several institutions reflect both these goals.

From 70 project requests costing \$113,000,000, by the estimates provided by the institutions, the Board has endorsed 41, costing an estimated \$45,716,255. This figure includes cost changes by the Bureau of Building Construction on about one-half of the projects.

The Advisory Board's recommendations follow, arranged by institutional groups.

ADVISORY BOARD OF HIGHER EDUCATION POLICY

CAPITAL OUTLAY RECOMMENDATIONS

PUBLIC HIGHER EDUCATION

Fiscal 1966

STATE COLLEGES

1. Mass. College of Art: New facility (P)	\$ 750,000 (P)
2. Long range planning	125,000
3. Framingham: Library	2,650,000
4. Lowell: Science - Classroom - Student Union Building (P)	138,000 (P)
5. Westfield: Laboratory School	1,940,000
6. Fitchburg: Laboratory School (P)	170,000 (P)
7. Bridgewater: Auditorium - Student Union - Cafeteria Building	3,930,000
8. Salem: Athletic Facilities (L, P, + C of Stage I)	343,000 (L + P)
9. North Adams: Classroom - Administration - Library Building	110,000 (P)
10. Boston: 14-story Classroom Building and Power Plant	258,000 (P)
11. Mass. Maritime Academy: Gymnasium and Drill Hall (P)	53,000 (P)
12. Worcester: Boiler Plant Addition (P)	25,000 (P)
13. Salem: Library (P)	108,000 (P)
14. Bridgewater: Library Addition (P)	51,000 (P)
15. Framingham: Home Management Building	240,000 (P + C)
16. North Adams: Purchase Mark Hopkins School	250,000
17. Salem: Laboratory School Addition (P)	50,000 (P)
18. Westfield: Men's Physical Education Building and Facilities (P)	55,000 (P)
19. Westfield: Science Building (P)	50,000 (P)
20. Salem: Science Wing (P)	75,000 (P)
TOTAL:	<hr/> \$ 11,371,000

SOUTHEASTERN MASSACHUSETTS TECHNOLOGICAL INSTITUTE

1. Books	\$ 200,000
2. Planning	500,000
3. Physical Education Center	2,000,000
4. Site development	100,000
TOTAL:	<u>2,800,000</u>

LOWELL TECHNOLOGICAL INSTITUTE

1. Library Extension	\$1,717,000
2. Renovation and Machinery Moving	2,981,000
3. Chemistry Building (P)	145,000 (P)
4. Additional Parking Facilities (L)	250,000
TOTAL:	<u>\$5,093,000</u>

UNIVERSITY OF MASSACHUSETTS (No items for UMass - Boston are included)

1. Design of Additional Library Facilities (P)	\$ 375,000 (P)
2. Utilities - Additions to Power Plant, Automatic Control, Steam, Electric, Water, Sewer, etc., Distribution Systems	1,500,000
3. Roads, Parking and Sidewalks	1,000,000
4. Research Center - Phase I (Chemistry Tower, Science Library, Computer Center)	12,080,255
5. Faculty Offices - Machmer Addition	1,697,000
6. Equipment	400,000
7. Continuing Education Center (P)	250,000 (P)
8. School of Education Building (P)	120,000 (P)
9. Addition to Student Health Services (P)	30,000 (P)
10. College of Agriculture: Laboratories and Farm Service Buildings	1,500,000
TOTAL:	<u>\$18,952,255</u>

COMMUNITY COLLEGES

1. Cape Cod: New Facility or Northern Essex: New Facility (See note)	\$ 6,000,000
2. Holyoke: Renovation	1,000,000
3. Berkshire: New Facility (P)	250,000
4. Southeastern Mass.: New Facility (P) or Renovation	250,000
TOTAL:	\$ <u>7,500,000</u>

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S U M M A R Y

	<u>Amount</u>	<u>% of total</u>
State Colleges	\$ 11,371,000	24.9 %
S.M.T.I.	2,800,000	6.1
L.T.I.	5,093,000	11.1
UMass.	18,952,255	41.5
Community Colleges	<u>7,500,000</u>	<u>16.4</u>
TOTAL:	\$ 45,716,255	100.0 %

N O T E S

(The note numbers match the project numbers. For fuller details of the projects requested, please refer to the Project Descriptions and Justifications.)

STATE COLLEGES

1. Since the most recent meeting of the Advisory Board, we have been informed by the Administration of the State Colleges that a tentative decision has been reached on the new site for the Mass. College of Art - namely, its present campus.

The amount being requested is in addition to, or as an alternative to, a request for \$70,000 for study. We have had no official confirmation of the final total of the request.

2. The necessity for planning funds has long been apparent. Spacial and functional relations between present and future structures must be well plotted. With increasing building, plans must be laid well in advance for alterations and additions to utility systems. This is underscored by the amounts now required by the schedule of dormitory construction, two at each of three colleges, all slated for occupancy by September, 1966, and accommodating a total of over 1,780 students. The amounts are:

\$200,000	Salem: Boiler plant expansion
500,000	Bridgewater: Expansion of central utilities distribution system
<u>450,000</u>	Westfield: Same
TOTAL:	1,150,000

The Advisory Board has not been asked to include these amounts, but takes note of them at this time.

3. The \$2,650,000 requested for the Framingham library is a reduction from the original estimated, and is based on an average cost of \$23 per square foot. It is still a tentative figure, and BBC informs us that a letter from the architect is still awaited.

6. Note that the project numbered six on previous ABHEP listings, construction funds for the library at Worcester, has been postponed by BBC because plans are not far enough advanced.

7. Revision of estimate by BBC of this project for Bridgewater increases the amount of the request by \$330,000.

S.M.T.I.

On March 12, 1965, SMTI withdrew their request for Item #1, Library, Learning and Communication Center (amount, \$6,325,500), since bidding on the library contract will have to be postponed from late Spring of 1966 to late Summer of 1966, thus moving the project into Fiscal 1967, and requested the following as a substitute:

1. Books	\$1,000,000
2. Computer	450,000
3. Physical Education Center	2,312,100
4. Electronic tower	167,000
5. Site development as well as retention of planning	500,000

1. \$200,000 recommendations for Books is on the suggested basis of \$200,000 per year for a five-year period.

3. BBC informs us that preliminary plans for the physical education center should be ready in June, and ready for bid by February, 1966.

The BBC figure on this project has not yet been worked up.

4. Particularly for connecting and improving service roads for access to construction, and for firetrucks.

L.T.I.

1. Revision of cost figure by BBC. Plans ready.

2. LTI's provisional estimate ranged between a minimum of \$1,466,000 and a maximum of \$2,305,000. The full project, which BBC would propose doing as a "package", is now estimated to cost \$2,981,000, broken down as follows:

Construction	2,400,000
Replace windows	400,000
Moving machinery, renovating classroom space, wiring	181,000

We have been informed, by BBC, of the need for additional funds to complete renovation of LTI's power plant and utility distribution system. For this work, \$12,900 in planning money was appropriated by Chapter 774, Acts of 1960, and \$200,000 by Chapter 544, Acts of 1961. The project was advertized for bid November 24, 1964, is now under construction, and requires \$125,000 for completion. This note indicates our interest in this item, although LTI has not requested its inclusion.

UMASS

4. Phase I of the Research Center will consist of a three-wing 16-story Chemistry tower, and three-story science library and computer center, with basement.

If appropriation is made as here requested, BBC estimates that construction on Phase I will run two years.

The Graduate Research Center will give strong impetus to both the educational and the industrial life of the Commonwealth.

Community Colleges

1. Cape Cod: Total project cost is now estimated at \$7,200,000 (6,000,000 construction, plus 20% is cost as of now,) according to LJ 64-4 Contract 2, Desmond & Lord, Designers).

The Commonwealth's Higher Education Facilities Commission has recommended that the entire amount available under Section 1C3 of Title I of Public Law 88-204, should be granted to Cape Cod Community College. This project has now passed the first review. Should this grant be carried through, \$1,200,000 may be deducted from the total project cost as indicated above, making a net of \$6,000,000.

The cost of a new facility for Northern Essex Community College in Haverhill is estimated at from \$8M to \$9M. A start can be made with an appropriation of \$6M, according to Dr. Dwyer. However, the No. Essex request has been submitted only in the form of a letter of notification; No CO-1 request form for this project has been received by BBC.

2. The cost of the Holyoke renovation is now figured at \$1,575,000 by BBC. Repair and painting of walls and ceilings plus new floors in the main building; and second phase, remodeling of annex into a science center. Also involved are heating renovations, replacement of windows, besides plans, furnishings, and equipment.

We recommend at this time only the request for \$1M forwarded to ABHEP by MBRCC.

3. 180 acres have already been given by the city of Pittsfield for a site for Berkshire Community College.

4. \$10,000 of the \$100,000 appropriated for master planning (by Ch. 640, Acts of 1964) has been used for study.

SUMMARY OF PREVIOUS APPROPRIATIONS
on those Projects for which Construction money
is now requested for Fiscal 1966.

D.S.C.

3. Framingham: Library	75,000 (P)	Acts of 1963, Chapter 648
5. Westfield: Laboratory School	60,000	Acts of 1964, Chapter 640
7. Bridgewater: Auditorium - Student Union	170,000	Acts of 1964, Chapter 640

S.M.T.I.

3. Physical Education Center	Planning money drawn from 300,000 approp. by Acts of 1964, Chapter 640	
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L.T.I.

1. Library Extension	58,000	Acts of 1964, Chapter 640
2. Renovation and machinery moving	25,000	Acts of 1962, Chapter 705
	125,000	Acts of 1964, Chapter 640

UMass

2. Utilities	750,000	Acts of 1963, Chapter 648 (for improvements and plans for further improvements.)
	1,667,000	Acts of 1964, Chapter 640 (for improvements, surveys, and plans)
3. Roads, etc.	1,000,000 (P+C)	Acts of 1964, Chapter 640
4. Research Center	250,000	Acts of 1963, Chapter 648
	272,000	Acts of 1964, Chapter 640
5. Faculty Offices - Machmer Addition	30,000 (P)	Acts of 1962, Chapter 705
	1,040,000 (C)	Acts of 1963, Chapter 648
10. Labs. and Farm Service Buildings, College of Agric.	65,000	Acts of 1963, Chapter 648

COMMUNITY COLLEGES

1. Cape Cod	40,000	Acts of 1963, Chapter 648
	100,000	Acts of 1964, Chapter 640
(Northern Essex	228,000	Acts of 1964, Chapter 640)
2. Holyoke	40,000	Acts of 1963, Chapter 648
	400,000	Acts of 1964, Chapter 640

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We conclude by indicating practicable cut-off points on each of the five priority lists submitted. (Pages 3-5) This may be of some assistance if further reduction in the total capital outlay requests for public higher education must be made. But the full membership of the Board of Higher Education Policy earnestly hope that further reductions will not in fact be necessary. The following proposals, however, are made to protect the several institutions in the event a retrenchment policy is instituted.

State Colleges

Retain Priorities 1 through 13 inclusive.

One of many indications of the importance assigned to the Salem library (Priority #13) is its place five positions higher on an earlier version of the Division's priority list; thus we urge its inclusion in any shortened list.

Including the requests down to this point would save \$771,000, somewhat less than half of it in planning money. This would still leave the Division with nine planning projects, one for land and plans, and three for major construction.

S.M.T.I.

Retain Priorities 1 and 2.

Failure to appropriate construction money for the Physical Education Center, would, we are informed, delay work only from three to six months.

LTI

Retain Priorities 1 through 3.

The greatly increased estimate of the amount required for project # 2, the renovation of the quadrangle, could be spread over two years.

UMass

Retain Priorities 1 through 4.

Although by this method we are attempting to avoid disturbing the priority order within each list, we would suggest that in addition, as much as possible of project #10 should be provided for.

Community Colleges

Retain priorities 1 through 5.

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The foregoing would further reduce the total amount being requested by approximately \$5,000,000.

